



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited DoD ELAP Laboratory

A2LA has accredited

MICROBAC LABORATORIES, INC. CHICAGOLAND DIVISION

Merrillville, IN

for technical competence in the field of

Environmental Testing

In recognition of the successful completion of the A2LA evaluation process that includes an assessment of the laboratory's compliance with ISO/IEC 17025:2005, the 2003 NELAC Chapter 5 Standard, and the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in the DoD Quality Systems Manual for Environmental Laboratories (QSM v4.1); accreditation is granted to this laboratory to perform recognized EPA methods as defined on the associated A2LA Environmental Scope of Accreditation. This accreditation demonstrates technical competence for this defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 25th day of January 2011.

A handwritten signature in black ink, appearing to read "Peter Meyer".

President & CEO
For the Accreditation Council
Certificate Number 3045.02
Valid to September 30, 2012

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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ENVIRONMENTAL

Valid To: September 30, 2012

Certificate Number: 3045.02

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO IEC 17025:2005, the 2003 NELAC Chapter 5 Standard, and the requirements of the DoD Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in the DoD Quality Systems Manual for Environmental Laboratories (DoD QSM v4.1)) accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

Testing Technologies:

Atomic Absorption/ICP-AES Spectrometry, ICP/MS, Gas Chromatography, Gas Chromatography/Mass Spectrometry.

<u>Parameter/Analyte</u>	<u>Method</u>
<u>Metals</u>	<u>Air</u>
Aluminum	NIOSH 7300
Antimony	NIOSH 7300
Arsenic	NIOSH 7300
Barium	NIOSH 7300
Beryllium	NIOSH 7300
Boron	NIOSH 7300
Cadmium	NIOSH 7300
Calcium	NIOSH 7300
Chromium	NIOSH 7300
Cobalt	NIOSH 7300
Copper	NIOSH 7300
Iron	NIOSH 7300
Lead	NIOSH 7300
Magnesium	NIOSH 7300
Manganese	NIOSH 7300
Mercury	NIOSH 7300
Molybdenum	NIOSH 7300

<u>Parameter/Analyte</u>	<u>Method</u>
<u>Metals (Continued)</u>	<u>Air</u>
Nickel	NIOSH 7300
Potassium	NIOSH 7300
Selenium	NIOSH 7300
Silicon	NIOSH 7300
Silver	NIOSH 7300
Sodium	NIOSH 7300
Thallium	NIOSH 7300
Tin	NIOSH 7300
Titanium	NIOSH 7300
Vanadium	NIOSH 7300
Zinc	NIOSH 7300
<u>Purgeable Organics (Volatiles)</u>	<u>Air</u>
1,1,1-Trichloroethane	TO-15
1,1,2,2-Tetrachloroethane	TO-15
1,1,2-Trichloro-1,2,2-Trifluoroethane	TO-15
1,1,2-Trichloroethane	TO-15
1,1-Dichloroethane	TO-15
1,1-Dichloroethene	TO-15
1,2,4-Trichlorobenzene	TO-15
1,2,4-Trimethylbenzene	TO-15
1,2-Dibromoethane	TO-15
1,2-Dichlorobenzene	TO-15
1,2-Dichloroethane	TO-15
1,2-Dichloropropane	TO-15
1,2-Dichlorotetrafluoroethane	TO-15
1,3,5-Trimethylbenzene	TO-15
1,3-Butadiene	TO-15
1,3-Dichlorobenzene	TO-15
1,4-Dichlorobenzene	TO-15
1,4-Dioxane	TO-15
2-Butanone	TO-15
2-Hexanone	TO-15
2-Propanol	TO-15
4-Ethyltoluene	TO-15
4-Methyl-2-Pentanone	TO-15
Acetone	TO-15
Acrolein	TO-15
Benzene	TO-15
Benzyl chloride	TO-15
Bromodichloromethane	TO-15

<u>Parameter/Analyte</u>	<u>Method</u>
<u>Purgeable Organics (Volatiles) (Continued)</u>	<u>Air</u>
Bromoform	TO-15
Bromomethane	TO-15
Carbon disulfide	TO-15
Carbon tetrachloride	TO-15
Chlorobenzene	TO-15
Chloroethane	TO-15
Chloroform	TO-15
Chloromethane	TO-15
cis-1,2-Dichloroethene	TO-15
cis-1,3-Dichloropropene	TO-15
Cyclohexane	TO-15
Dibromochloromethane	TO-15
Dichlorodifluoromethane	TO-15
Ethyl acetate	TO-15
Ethyl benzene	TO-15
Heptane	TO-15
Hexachlorobutadiene	TO-15
Hexane	TO-15
m,p-Xylene	TO-15
Methyl Methacrylate	TO-15
Methyl-t-butyl ether	TO-15
Methylene chloride	TO-15
o-Xylene	TO-15
Propylene	TO-15
Styrene	TO-15
Tetrachloroethene	TO-15
Tetrahydrofuran	TO-15
Toluene	TO-15
trans-1,2-Dichloroethene	TO-15
trans-1,3-Dichloropropene	TO-15
Trichloroethene	TO-15
Trichlorofluoromethane	TO-15
Vinyl acetate	TO-15
Vinyl chloride	TO-15
1,1,1,2-Tetrachloroethane	TO-15
1,2,3-Trichloropropane	TO-15
3-Chloro-1-propene	TO-15
Acetonitrile	TO-15
Acrylonitrile	TO-15
Bromobenzene	TO-15
Chlorodifluoromethane	TO-15

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<u>Parameter/Analyte</u>	<u>Method</u>
<u>Purgeable Organics (Volatiles) (Continued)</u>	<u>Air</u>
Dibromomethane	TO-15
Dichlorofluoromethane	TO-15
Ethanol	TO-15
Ethyl acrylate	TO-15
Ethyl methacrylate	TO-15
Hexachloroethane	TO-15
Isooctane	TO-15
Methyl acrylate	TO-15
Methyl iodide	TO-15
Methyl styrene (alpha)	TO-15
n-Octane	TO-15
Perchloroethane	TO-15
t-Butanol	TO-15
1,4-Difluorobenzene	TO-15
Bromochloromethane	TO-15
Chlorobenzene-d5	TO-15
Total VOCs	TO-15
Total Xylenes	TO-15
4-Bromofluorobenzene	TO-15
Cumene	TO-15
Isopropylbenzene	TO-15
Naphthalene	TO-15
<u>Extractable Organics (Semi-Volatiles)</u>	<u>Air</u>
1,2,4-Trichlorobenzene	TO-13
1,2-Dichlorobenzene	TO-13
1,2-Diphenyl-hydrazine	TO-13
1,3-Dichlorobenzene	TO-13
1,4-Dichlorobenzene	TO-13
2,2'-oxybis(1-chloropropane)	TO-13
2,4,5-Trichlorophenol	TO-13
2,4,6-Trichlorophenol	TO-13
2,4-Dichlorophenol	TO-13
2,4-Dimethylphenol	TO-13
2,4-Dinitrophenol	TO-13
2,4-Dinitrotoluene	TO-13
2,6-Dichlorophenol	TO-13
2,6-Dinitrotoluene	TO-13
2-Chloronaphthalene	TO-13
2-Chlorophenol	TO-13
2-Methylnaphthalene	TO-13

<u>Parameter/Analyte</u>	<u>Method</u>
<u>Extractable Organics (Semi-Volatiles) (Continued)</u>	<u>Air</u>
2-Methylphenol	TO-13
2-Nitroaniline	TO-13
2-Nitrophenol	TO-13
3,3'-Dichlorobenzidine	TO-13
3-Nitroaniline	TO-13
3/4-Methylphenol	TO-13
4,6-Dinitro-2-methylphenol	TO-13
4-Bromophenyl phenyl ether	TO-13
4-Chloro-3-methylphenol	TO-13
4-Chloroaniline	TO-13
4-Chlorophenyl phenyl ether	TO-13
4-Nitroaniline	TO-13
4-Nitrophenol	TO-13
Acenaphthene	TO-13
Acenaphthylene	TO-13
Acetophenone	TO-13
Aniline	TO-13
Anthracene	TO-13
Benzidine	TO-13
Benzo[a]anthracene	TO-13
Benzo[a]pyrene	TO-13
Benzo[b]fluoranthene	TO-13
Benzo[g,h,i]perylene	TO-13
Benzo[k]fluoranthene	TO-13
Benzoic acid	TO-13
Benzyl alcohol	TO-13
Bis(2-chloroethoxy)methane	TO-13
Bis(2-chloroethyl)ether	TO-13
Bis(2-ethylhexyl)phthalate	TO-13
Butyl benzyl phthalate	TO-13
Carbazole	TO-13
Chrysene	TO-13
Di-n-butyl phthalate	TO-13
Di-n-octyl phthalate	TO-13
Dibenz[a,h]anthracene	TO-13
Dibenzofuran	TO-13
Diethyl phthalate	TO-13
Dimethyl phthalate	TO-13
Fluoranthene	TO-13
Fluorene	TO-13
Hexachlorobenzene	TO-13

<u>Parameter/Analyte</u>	<u>Method</u>
<u>Extractable Organics (Semi-Volatiles) (Continued)</u>	<u>Air</u>
Hexachlorobutadiene	TO-13
Hexachlorocyclopentadiene	TO-13
Hexachloroethane	TO-13
Indeno[1,2,3cd]pyrene	TO-13
Isophorone	TO-13
N-Nitrosodi-n-propylamine	TO-13
N-Nitrosodimethylamine	TO-13
N-Nitrosodiphenylamine	TO-13
Naphthalene	TO-13
Nitrobenzene	TO-13
Pentachlorophenol	TO-13
Phenanthrene	TO-13
Phenol	TO-13
Pyrene	TO-13
Pyridine	TO-13
1,4-Dichlorobenzene-d4	TO-13
Acenaphthene-d10	TO-13
Chrysene-d12	TO-13
Naphthalene-d8	TO-13
Perylene-d12	TO-13
Phenanthrene-d10	TO-13
Total Cresol	TO-13
2,4,6-Tribromophenol	TO-13
2-Fluorobiphenyl	TO-13
2-Fluorophenol	TO-13
Nitrobenzene-d5	TO-13
Phenol-d5	TO-13
Terphenyl-d14	TO-13